

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A combination measuring device for ~~respectively accommodating objects in a plurality of containers, performing combination calculation by measuring weights of the objects accommodated in the containers, discharging from the containers the objects that are selected as an optimum combination, collecting the selected objects, and thereby obtaining the a combination of objects measured to have a target weight, comprising:~~

a plurality of measuring units each having

a plurality of containers, the objects being accommodated in each of said plurality of containers,

a measuring portion means for obtaining measuring the weight value of each of the objects object accommodated in the said containers container, and

a stock portion in which means for stocking the said plurality of containers accommodating the weighed objects are stocked; and

a control portion that performs calculating means for performing the combination calculation by using the weight values of all the objects stocked in said by the stock portions means of all each of said measuring units, such that an optimum combination of containers is selected with zero or selecting one container at most being selected from each of said measuring units, and thereby obtaining the optimum combination.

2. (Currently Amended) The combination measuring device according to claim 1, wherein

said stock portion means stocks the containers in a longitudinal direction.

3. (Currently Amended) The combination measuring device according to claim 1 or 2,

further comprising:

only one collecting portion provided for said plurality of measuring units, wherein each of said measuring units is configured to be able to discharge the object from only one container to said collecting portion at a time.

4. (Currently Amended) The combination measuring device according to claim 3, wherein

each of said measuring units further has a transferring portion that receives means for receiving the container from said stock portion means, and transfers transferring the object accommodated in the container to said collecting portion.

5. (Currently Amended) The combination measuring device according to claim 4, wherein

said transferring portion means has a first drive mechanism means for transferring the container, and a second drive mechanism means for rotating the container.

6. (Currently Amended) A combination calculation method by which an optimum combination of objects that is measured to have a target weight is determined, the method comprising:

a measuring step of measuring weights of objects accommodated in a plurality of containers, each of the plurality of containers belonging to one of a plurality of groups;

a storing step of storing the plurality of weight values for each of the respective containers together with the group to which the container belongs; and

a calculating step of performing combination calculation to obtain the an optimum combination of the objects based on the plurality of weight values stored in said storing step, wherein

in said calculating step, the optimum combination is obtained while taking into account to which group each of the plurality of weight values belongs to, such that zero or one weight value at most is selected from each of the groups.

National Entry of
Serial No.: PCT/JP2004/006018
Filed: April 26, 2004

7. (New) The combination measuring device according to claim 5, wherein
said first drive mechanism includes an arm portion at which the container is held, and
a first motor that rotates the arm, and
said second drive mechanism includes a second motor that rotates the container
relative to the arm portion.